

Title	High Ecological Value Waterways and Water Dependent Ecosystems - WILLOUGHBY LGA
Alternative title(s)	HEVwater WILLOUGHBY LGA
Abstract	A map of the high ecological value waterways and water dependent ecosystems for the Willoughby LGA was prepared by the Science Division of the Department of Planning, Industry and Environment, with input layers and support for the map provided by the former NSW Department of Primary Industries-Fisheries and Department of Industry-Crown Lands and Water. The basis for the map arises from Science Division inputs to strategic planning processes. For example, the map has been included in the Land Use and Infrastructure Implementation Plans for the Wilton (Wilton2040, page 22) and Greater Macarthur (interim plan, page 36) Priority Growth Areas. This map was specifically developed for input to Local Government Local Strategic Planning Statements to support Council's delivery of Strategy 25.1 of the Greater Sydney Region Plan. The map shows areas where waterways and water dependent ecosystems are defined as high ecological value, based on definitions, guidelines and policies under the Environment Protection and Biodiversity Conservation Act 1999, Biodiversity Conservation Act 2016, Fisheries Management Act 1994 and Water Management Act 2000. Water dependent ecosystems are defined as wetlands, and flora and fauna that rely on water sources (including groundwater). The map represents an overlay of 39 indicators being used by the State Government to define high value, however, not all 39 indicators will be present in any one LGA (see Attachment 1 below). For example, there are 15 indicators making up the map for the Willoughby LGA. It should also be noted that the individual indicators have not been ground-truthed and it is recommended that field assessments and/or a comparison to local mapping be undertaken prior to any decisions being made. The map was created by initially placing a 1 ha (to correspond with a lot size) hexagon grid over the LGA, and attributing the grid with the area, length and/or frequency of occurrence of high value water dependent ecosystems. The purpose of the map is to identify strategic planning priorities for protecting and improving the health of high value waterways and water dependent ecosystems in the LGA. Once identified, the priorities can be used as a basis for identifying aquatic biodiversity refugia, stream rehabilitation efforts and setting management targets and/or land use planning controls that would protect or improve the health of waterways and water dependent ecosystems so they provide the essential services and functions expected of a cool blue-green corridor.
Resource locator	Data Quality Statement Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for High Ecological Value Waterways and Water Dependent Ecosystems - WILLOUGHBY LGA Function: download HEVwater WILLOUGHBY LGA Name: HEVwater WILLOUGHBY LGA Protocol: WWW:DOWNLOAD-1.0-http--download Description: This file contains ESRI format shapefile and jpg coverage map output. Function: download HEVwater WILLOUGHBY LGA map Name: HEVwater WILLOUGHBY LGA map Protocol: WWW:DOWNLOAD-1.0-http--download Description: This file presents the HEVwater coverage within the Local Government Area. Function: download Attachment 1_Willoughby Name: Attachment 1_Willoughby LGA Indicators Protocol: WWW:DOWNLOAD-1.0-http--download

Datasets describing high value waterways and water dependent ecosystems in the Willoughby LGA

Function: download

Unique resource identifier

Code 644ef492-b631-4e2d-a349-224c611a7c91

Presentation form mapDigital

Edition 1

Dataset language eng

Metadata standard

Name ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata

Version 1.1

Dataset URI <https://datasets.seed.nsw.gov.au/dataset/644ef492-b631-4e2d-a349-224c611a7c91>

Purpose Local Government Local Strategic Planning Statements

Status completed

Spatial representation

Type vector

Spatial reference system

Authority code GDA94 / MGAZone 56

Code identifying the spatial reference system 28356

Spatial resolution 100 m

Topic category

Keyword set

keyword value

- WATER
- WATER-Wetlands
- WATER-Hydrology
- WATER-Groundwater
- MARINE-Coasts
- MARINE-Estuaries
- ECOLOGY-Ecosystem

Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	151.14344
East bounding longitude	151.23294
North bounding latitude	-33.82478
South bounding latitude	-33.77857
NSW Place Name	WILLOUGHBY LGA
Vertical extent information	
Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
Temporal extent	
Begin position	2019-07-26
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	None
Contact info	
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
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Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Responsible party role	pointOfContact
Lineage	
Original lineage source data has been utilised in the preparation of the HEVwater Integrated layers for each of the LGAs within the Greater Sydney Region. Refer to: https://iar.environment.nsw.gov.au/dataset/hevwater-willoughby/resource/4ae92a1e-b3d5-4ce8-8e8a-33f7eb0e40f7	
Limitations on public access	

Scope	dataset
Responsible party	
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Responsible party role	pointOfContact
Metadata point of contact	
Contact position	Data Broker
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Responsible party role	distributor
Metadata date	2019-07-26
Metadata language	eng